

**FIG. 1**

FIG.2

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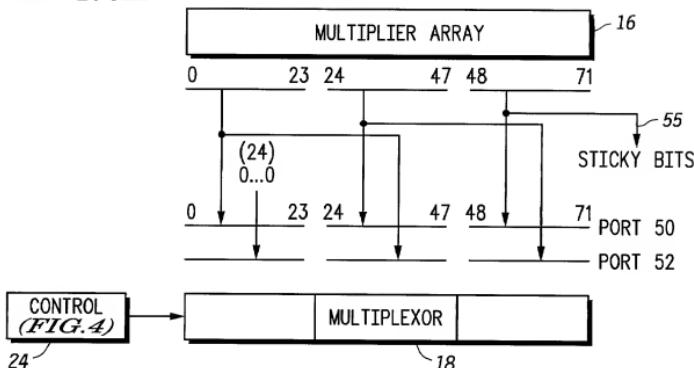
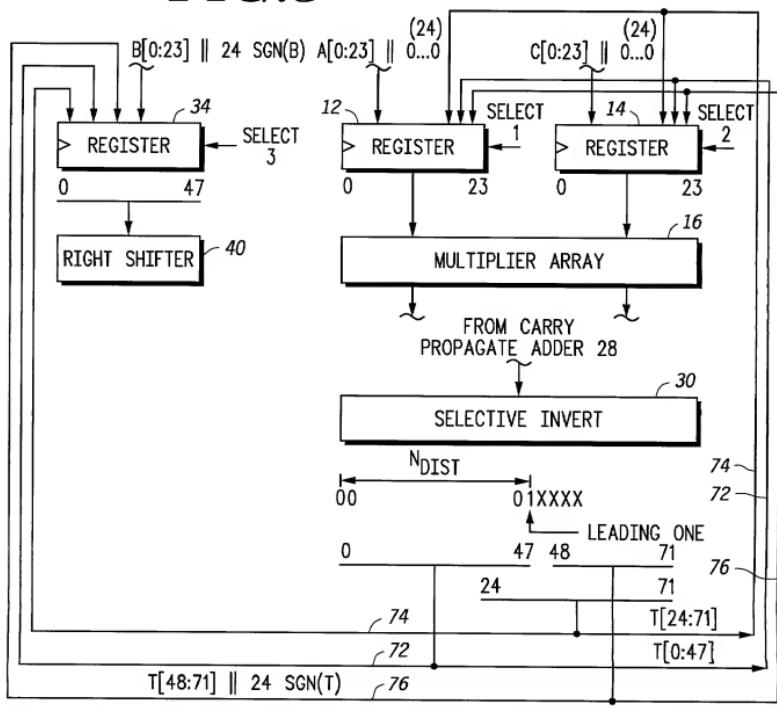


FIG.3



CASE	Int <sub>Exp</sub> <sup>1</sup>	T <sub>Exp</sub> <sup>0</sup>	B <sub>Shift</sub> <sup>1</sup> OR T <sub>Exp</sub> <sup>0</sup> SHIFT	RIGHT SHIFT AC AFTER MULTIPLY:
1	$Int_{Exp}^1 = T_{Exp}^0 + C_{Exp}^1$		$B_{Shift}^1 = T_{Exp}^0 + C_{Exp}^1 - B_{Exp}^1$	0 BITS A <sub>1</sub> *T <sub>0</sub> OR C <sub>1</sub> *T <sub>0</sub>
2			$T_{Shift}^1 = A_{Exp}^1 + C_{Exp}^1 - T_{Exp}^0$	24 BITS A <sub>1</sub> *T <sub>0</sub> OR C <sub>1</sub> *T <sub>0</sub>
3	$Int_{Exp}^1 = A_{Exp}^1 + C_{Exp}^1 + 25$	$T_{Exp}^0 = Int_{Exp}^0 - 24 \times \left\lceil \frac{N_{Dist}}{24} \right\rceil$	$T_{Shift}^1 = A_{Exp}^1 + C_{Exp}^1 - T_{Exp}^0$	0 BITS A <sub>1</sub> *C <sub>1</sub>
4	$Int_{Exp}^1 = A_{Exp}^1 + C_{Exp}^1 + 49$		$T_{Shift}^1 = A_{Exp}^1 + C_{Exp}^1 - T_{Exp}^0$	24 BITS A <sub>1</sub> *C <sub>1</sub>

*FIG. 4*